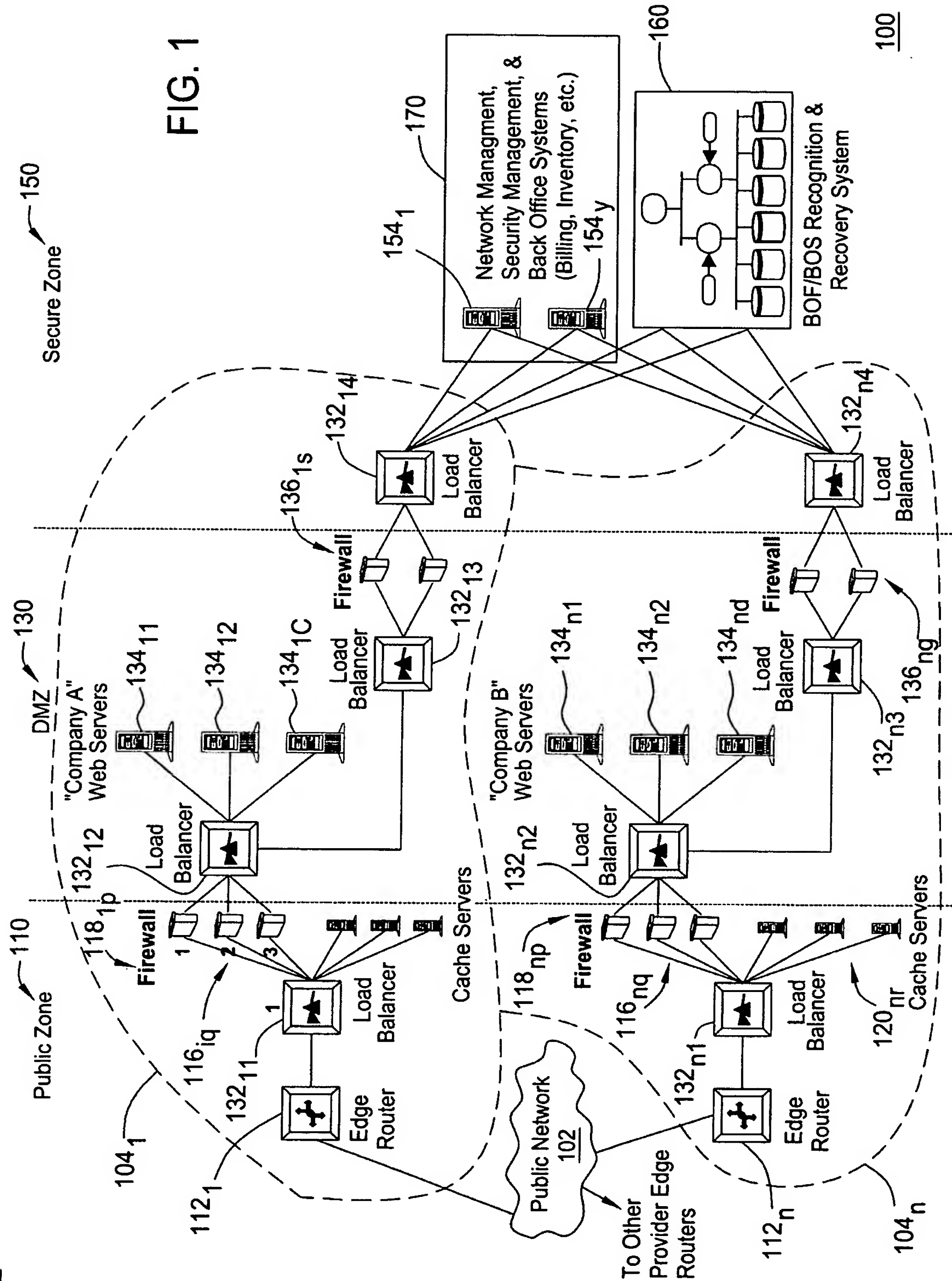
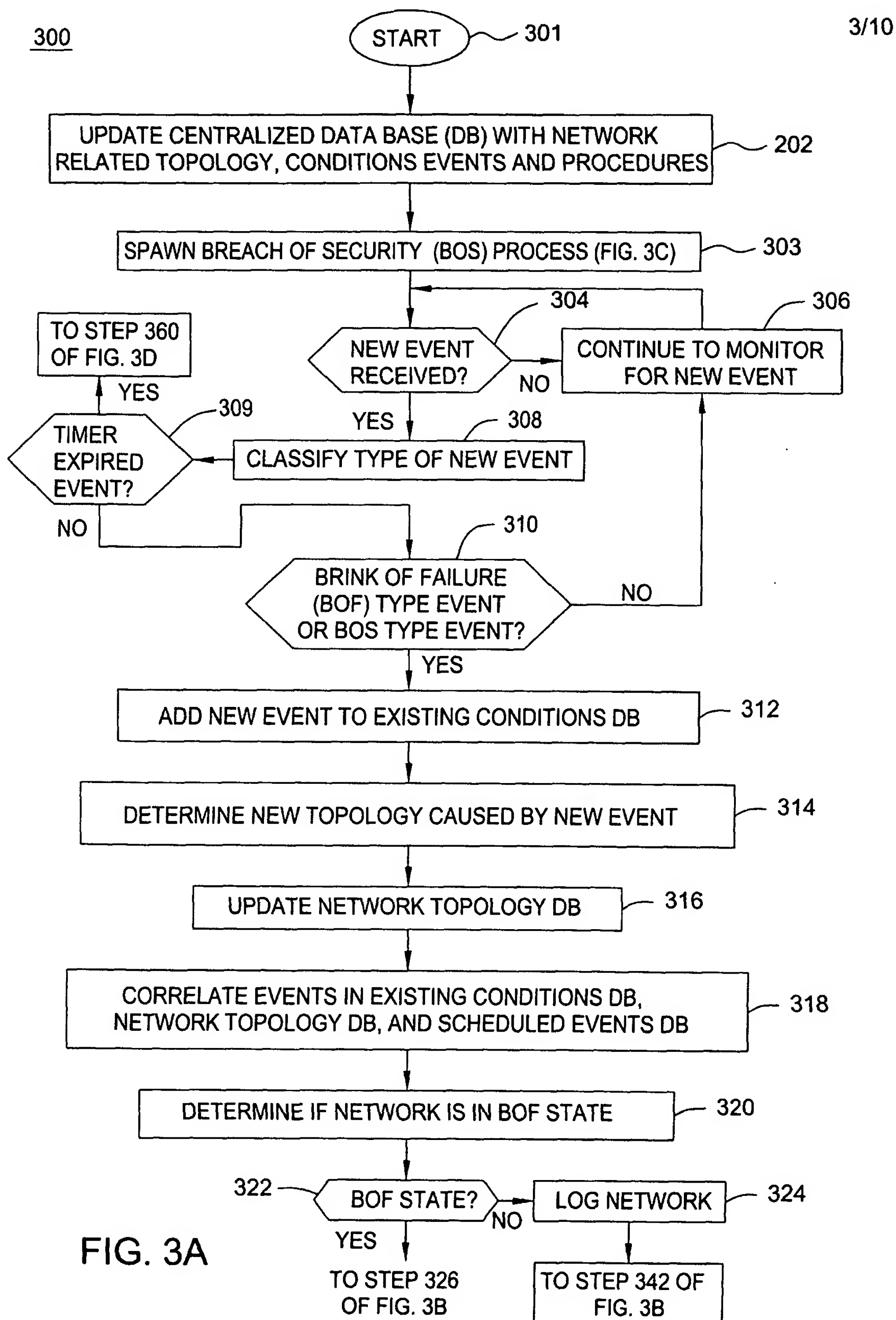
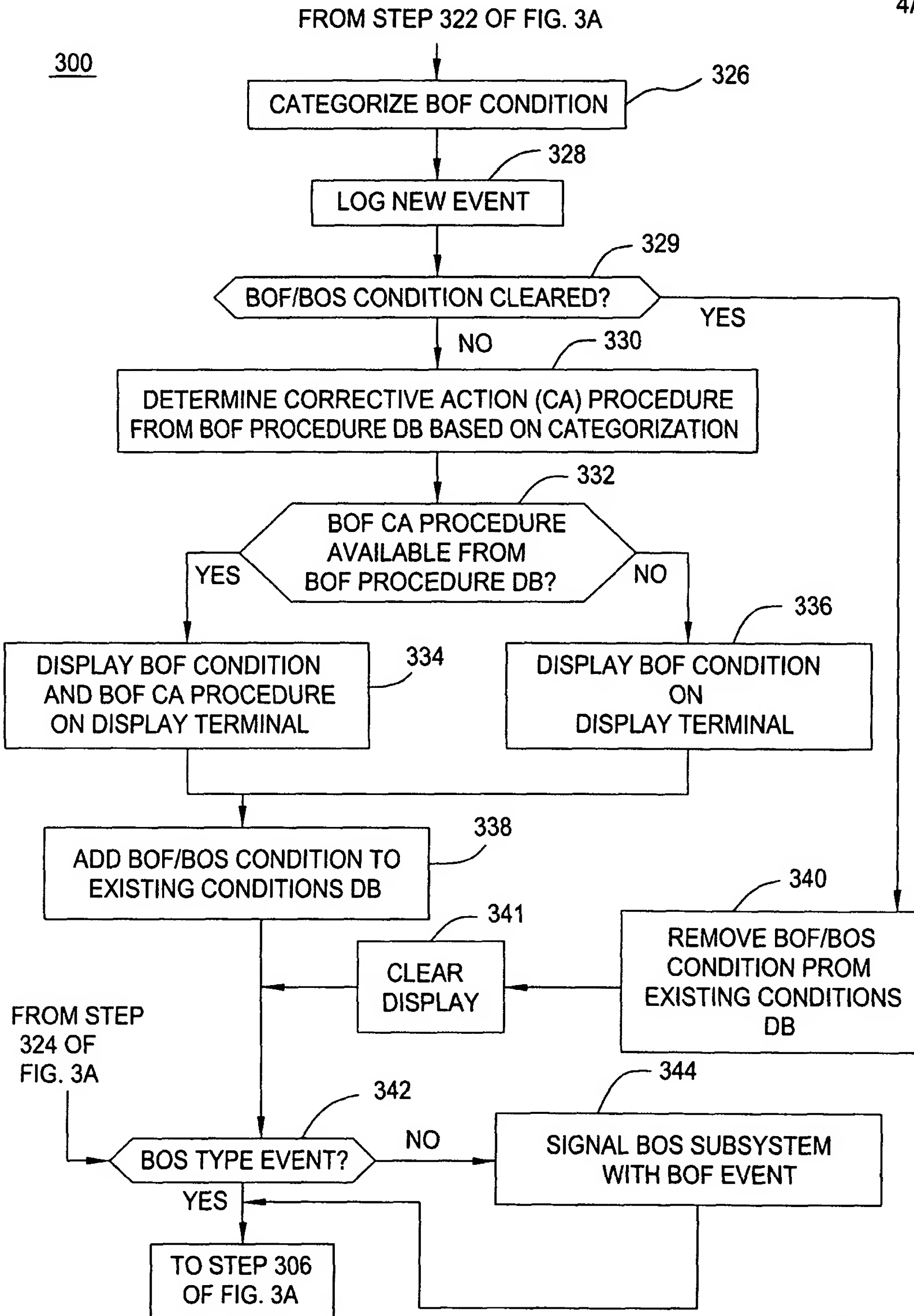


1/10









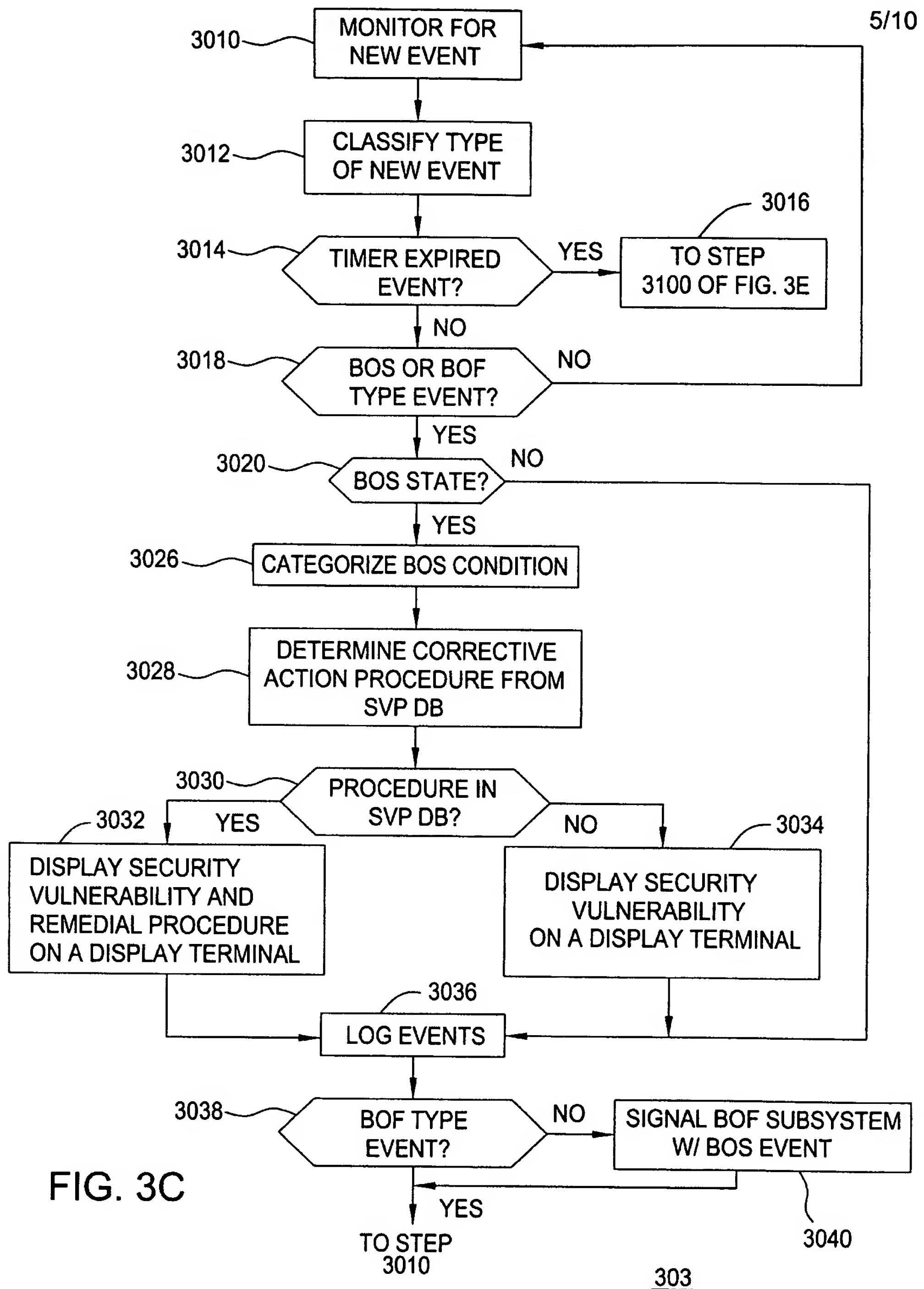


FIG. 3C

6/10

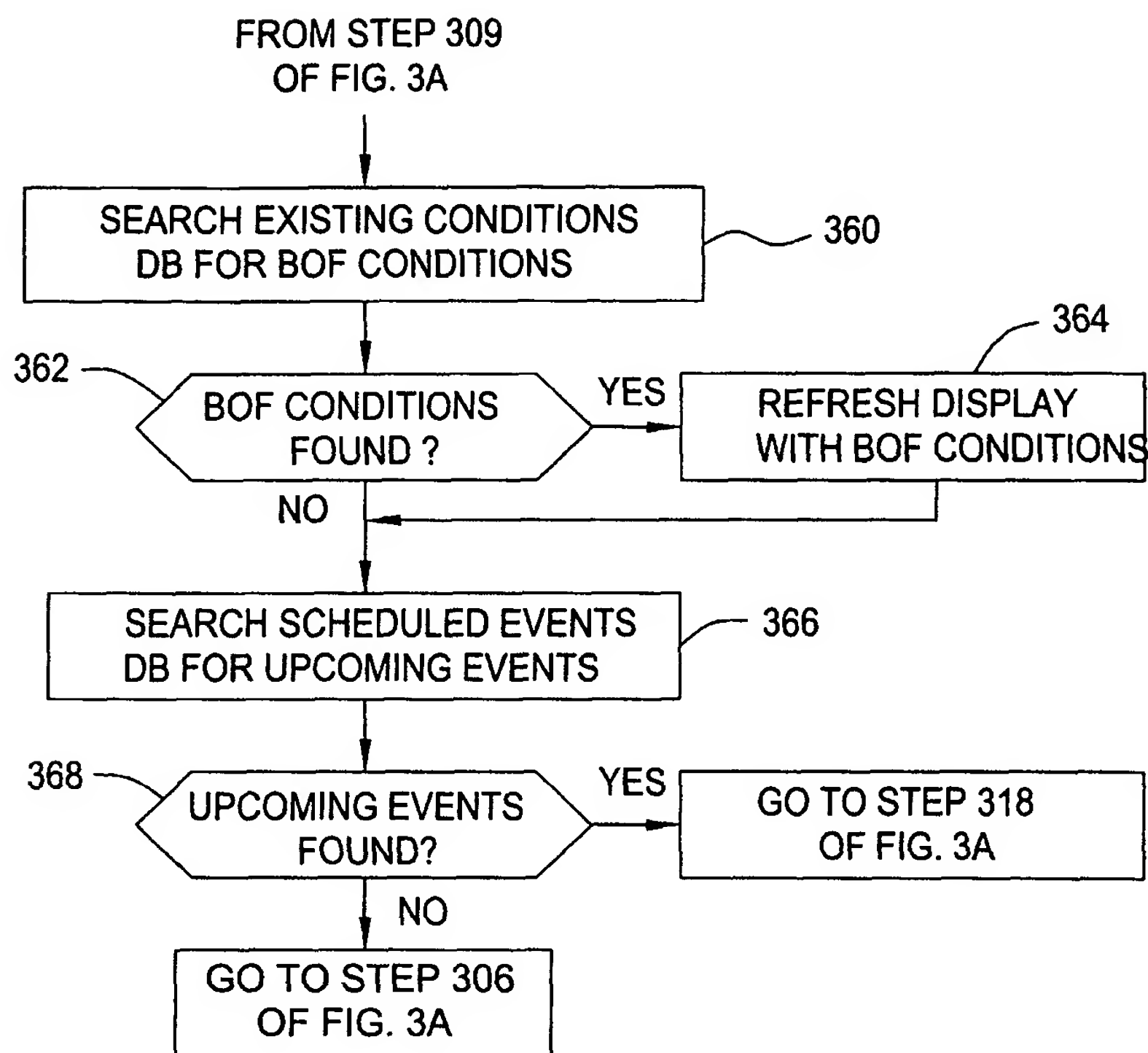


FIG. 3D

7/10

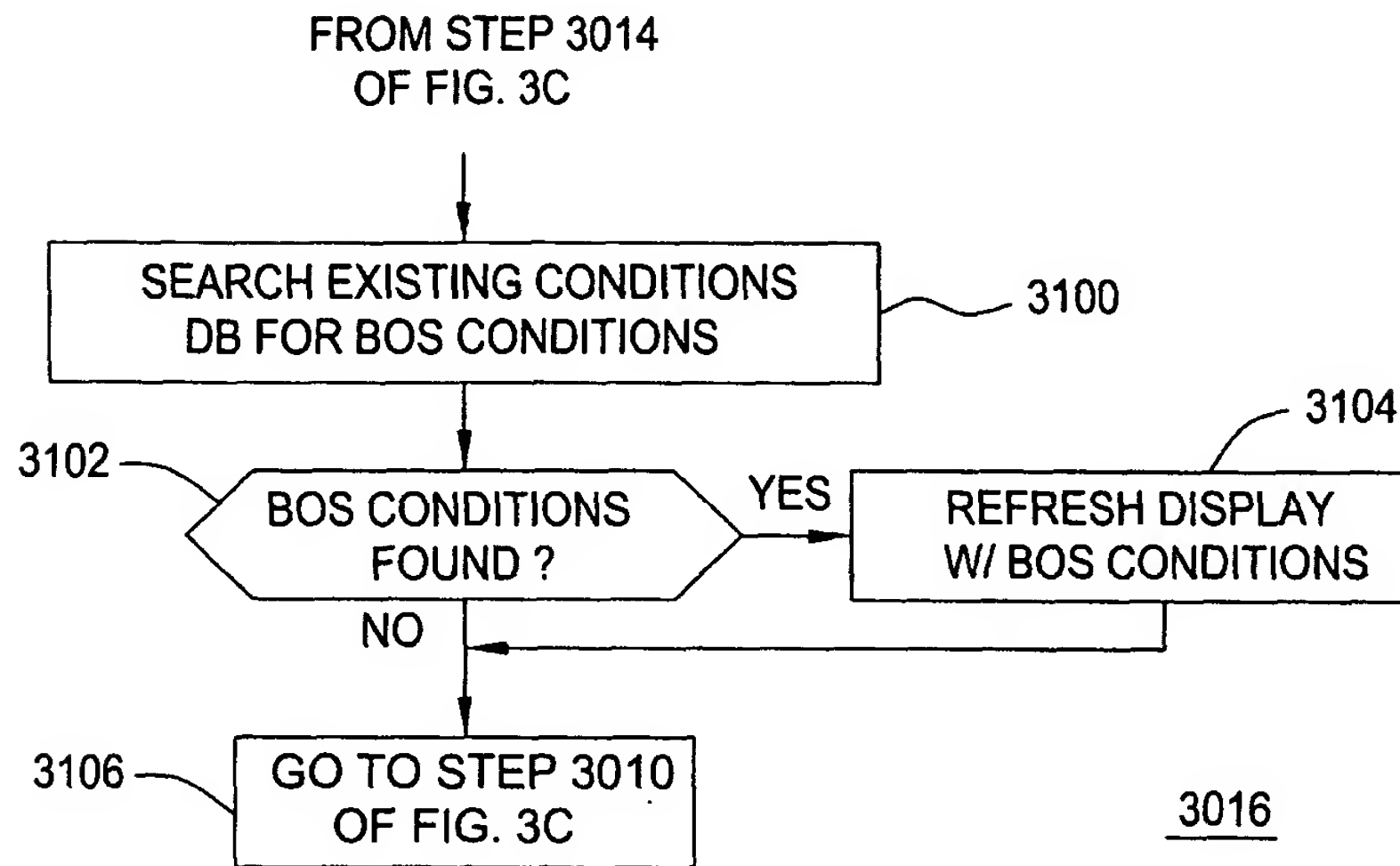
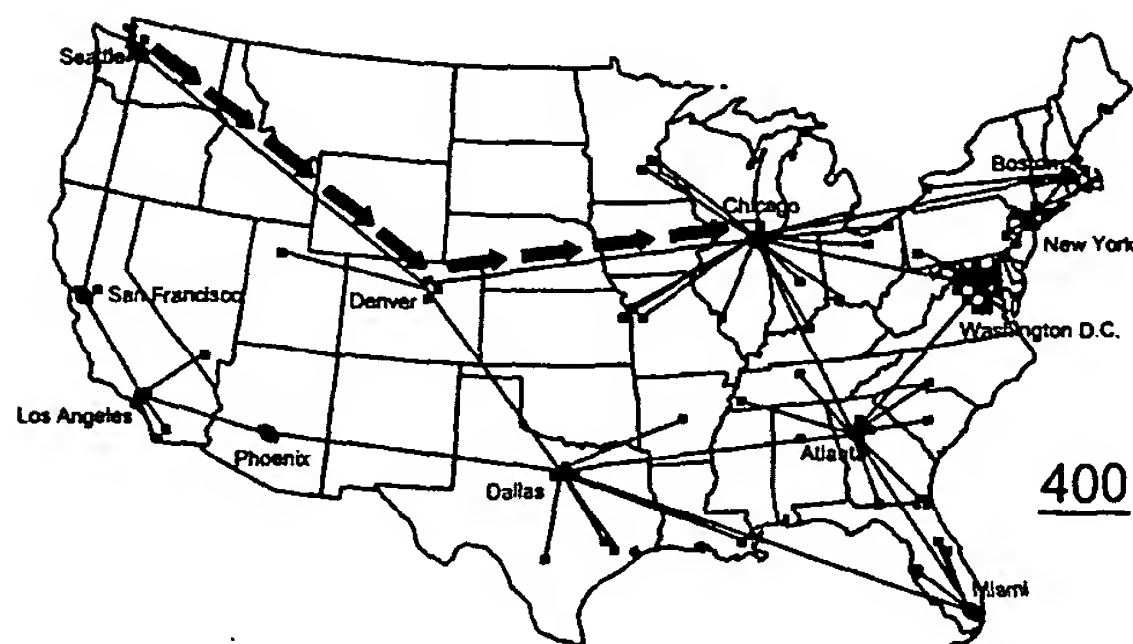


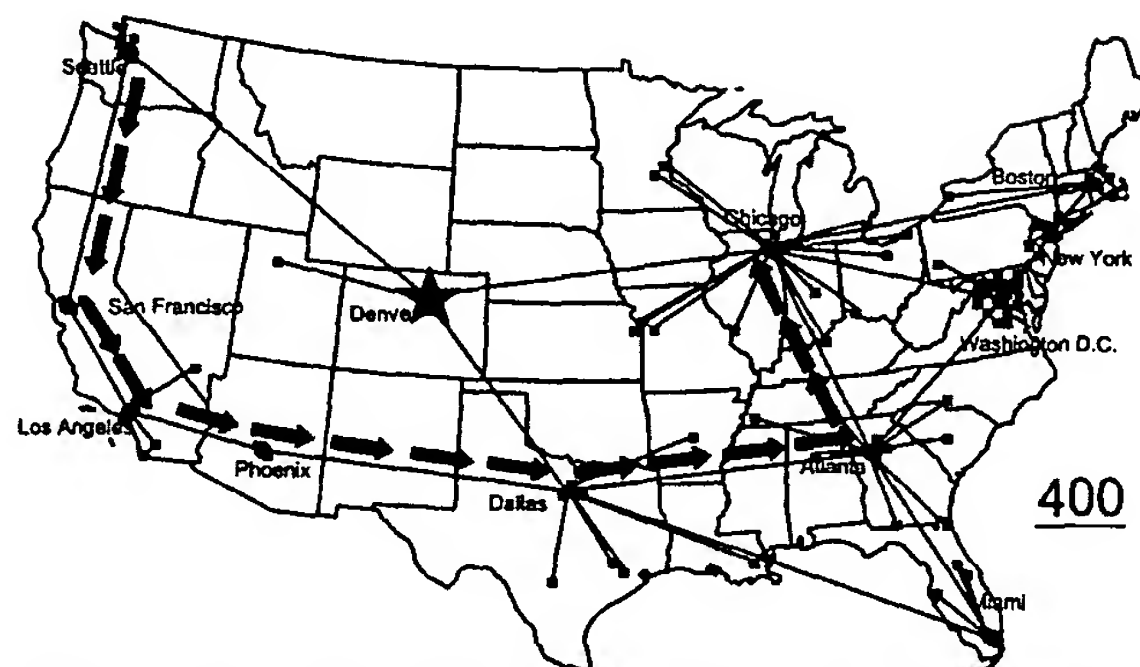
FIG. 3E

8/10



Normal Traffic Between Seattle And Chicago

FIG. 4A



Rerouted Traffic Between Seattle And Chicago

FIG. 4B

BOS\_S1: Switch Offline  
BOS\_P1: Close Logical Connections  
Disable Physical Ports

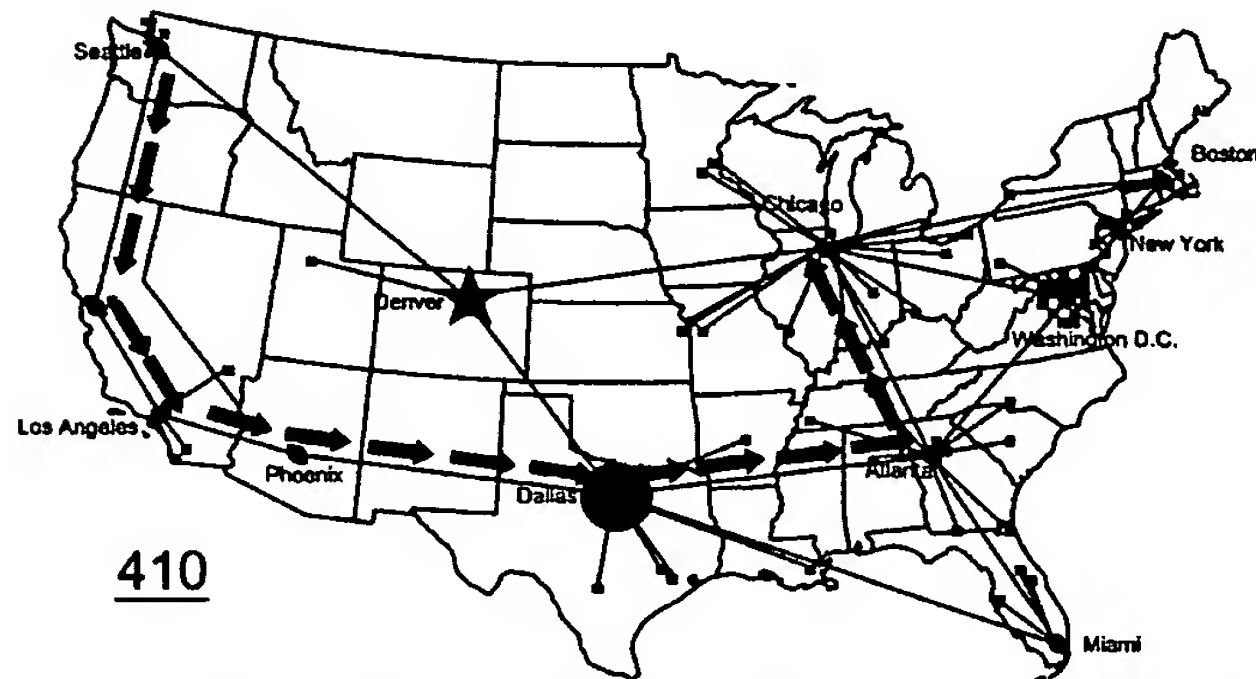
500

NOC Screen Showing Breach Of Security Condition.

FIG. 5A



9/10



Dallas Node Approaching Traffic Overload Condition

FIG. 4C

BOS\_S1: Switch Offline  
 BOS\_P1: Close Logical Connections  
 Disable Physical Ports  
 BOF\_S5: Switch Entering Overload  
 BOF\_P1: Apply Traffic Control

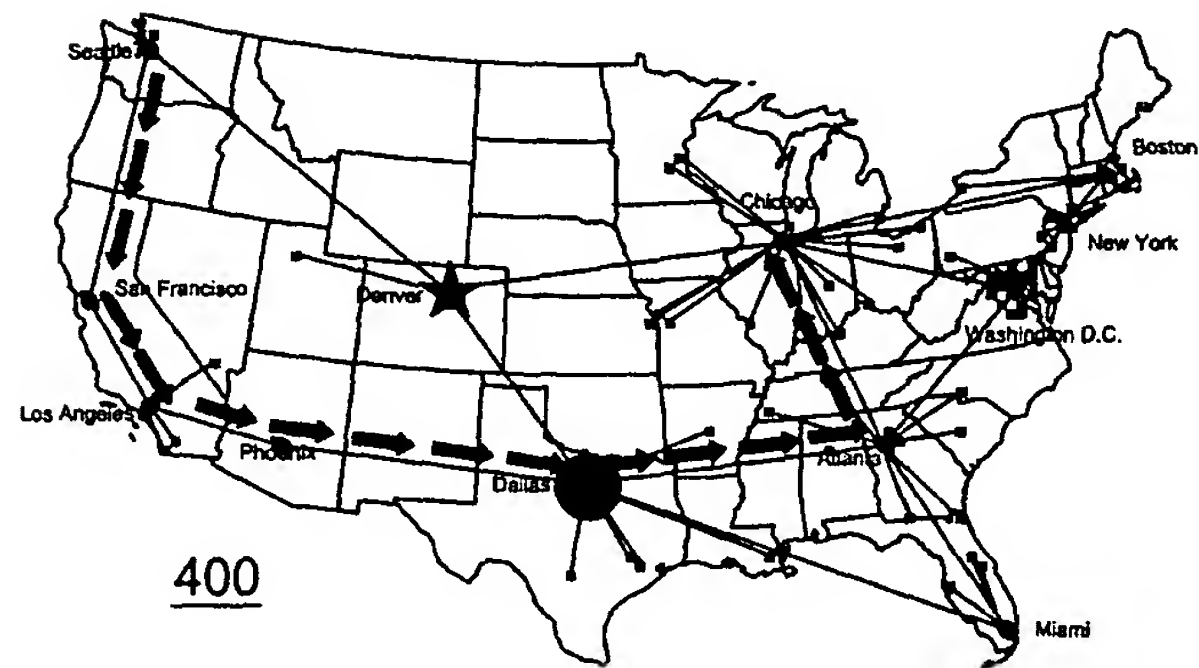
NOC Screen Showing Brink of Failure Condition

FIG. 5B

BOS\_S1: Switch Offline  
 BOS\_P1: Close Logical Connections  
 Disable Physical Ports  
 BOF\_S5: Switch Entering Overload  
 BOF\_P1: Apply Traffic Control  
 BOF\_S5: Scheduled Power Outage  
 BOF\_P2: Check Power Backup  
 Re-schedule Maintenance

NOC Screen Showing Second Brink of Failure Condition

FIG. 5C



Packet Classification Buffers in Dallas Node Exceed Threshold

FIG. 4D

- BOS\_S5: Switch Entering Overload
- BOF\_P1: Apply Traffic Control
- BOF\_S5: Scheduled Power Outage
- BOF\_P2: Check Power Backup  
Re-schedule Maintenance
- BOS\_S5: Security Buffer Exceeds  
Threshold
- BOS\_P2: Increase Size of Security Buffer  
Reduce Input Port Speeds

NOC Screen Displays New Breach of Security

FIG. 5D